TITUSVILLE AMATEUR RADIO CLUB

NEWSLETTER

MAY, 2000

PRESIDENT'S CORNER

By Bud Hughes K4CWG

My sincere thanks to the TARC Exam Team for a job well done in the processing of more than 50 licensee upgrades. Most of the applications for upgrade have been processed. There are a few applications for upgrade that the FCC has not processed. I believe we have identified the problems and hopefully the FCC will soon be issuing the requested upgrades. Those who have not received notice of their upgrade either by the Internet or receipt of the hard copy of the upgraded license may operate on the newly earned frequencies if you have the CSCE provided by the VE Exam Team. You will hear several new calls due to new call signs being applied for through the vanity call system.

The Technical Committee lead by Les, K4SJC has replaced the dual band antenna that has served the 146.91 and 445.15 repeaters for many years. The dual band antenna has served the repeaters very well for a number of years. For the past several months the range and sensitivity of the dual band antenna seemed to be on the downward swing. From all the reports from the users of 146.91 repeater, the purchase and installation of the single band antenna seems to have cured the problem. On Saturday, April 29, Archie, WN3DHI single handily scaled the tower, removed the old dual band antenna and installed the new single band antenna for the 2-meter repeater. Then on May 7, back up the ladder he went and finished the installation of the 70-centimeter single band antenna. Our thanks for the ground support from John KE4ZPA, Ken, KD4HNW, James, KG4DSG and to Sherry, KU4ZO for the nourishment. Before descending from the top of the water tank, Archie took several pictures so that those of us who have never been on topside would be able to view just what the antenna looks like from the base up. Archie will be on vacation during the next club meeting, but he will bring the photos to the June meeting.

Hope to see you at the May 23 club meeting.

FOR SALE

E-Z WAY RBX 55
HEAVY DUTY SELF SUPPORTING
TILT OVER 55' TOWER
WITH "WONDER GROUND" POST.
INCLUDES NEW STAINLESS STEEL
WINCH CABLES
HEAVY DUTY CDR ROTATOR
33 ELEMENTS FOR 2 METERS.
YOU MUST HELP ME DISASSEMBLE
$250.00
CARL, KF4JI
632-5735

HAPPY BIRTHDAY

MAY BIRTHDAYS

MAY 1 KF4MXF LINDA LATHROP
MAY 2 W9LSD DICK DUELL
MAY 10 N1PAW JOE BONARDI
MAY 13 AF4W CHARLES SUMMERS
MAY 13 KE4LNS DON McLEAN
MAY 15 K4UNT MAL HARPER
MAY 16 WD4EBA PAUL BERNHARDT
MAY 17 KF4JI CARL CHRISTIAN
MAY 19 KC4WZA JANET VAN ALSTINE
MAY 20 K2TNT GEORGE FISCHER
MAY 21 KE4HOD HOWARD ENGLAND
MAY 22 KF4CDK WILLIAM BLUM
MAY 22 KG4CEB ANTHONY HURKALA
MAY 23 KE4MXJ PEDRO LORENZI
MAY 24 K4JYX JOHN ADAMS
MAY 25 KE4BBJ CHARLIE PROSSER
MAY 27 KF4ZOJ GK PACE
MAY 28 WA2BX CARL BEAM

CONCERNS GROW FOR NEW INTERNET SYSTEM

From 4/2000 cyberSKIP

It's a perfect machine anarchy, no single computer is in control. *Ian Clark, Inventor*

DoubleClick and others are profiling your Internet browsing habits. It is alleged that NSA's Echelon system spies on your e-mail, faxes and telephone conversations. The Justice Department has a band of Cyberagents sleuthing around on the Internet. Some would liken using the Internet to driving into a town that garners its annual revenues from speed traps.

It's difficult to be critical of reasonable enforcement activities and sharing of some degree of personal information but enforcement has become entrapment and sharing has become harvesting. For that reason, many of the more cautious users have become paranoid about privacy issues. It's not as if most of us are engaged in unsavory activities but too many false conclusions are being drawn based on profiling data that, in many cases, may be totally incorrect or simple curiosity. So the drive to attain complete anonymity becomes the force.

Many Internet users are not aware that an Internet network is being developed and is totally unregulated. Censorship is non-existent. Information moves around freely and is virtually untraceable no matter what the content. The news media has begun to chatter about it as they hear more and more grumbling from Internet watch agencies and law enforcement agencies. This new network system cannot be regulated and there are no traceable addressing schemes. Even someone running one of the servers is not aware of what resides on the serves. It's the horror of all horrors for the regulators.

The system is called Freenet. Freenet is a creation of Ian Clarke, a student at Edinburgh University, Scotland, majoring in Artificial Intelligence and Computer Science. Mr. Clarke put his paper on the Internet in June 1999 in hopes that he could curry the interest of others in the feasibility of his project. In a nutshell, the philosophy of Freenet is as follows:

Freenet is designed to allow dissemination of information without censorship and makes it virtually impossible to trace the source of any information. It has no form of centralized control or administration. It is virtually impossible to forcibly remove a piece of information from Freenet.

NOW
CELL PHONES ON THE CRUISE SHIPS
From 4/2000 cyberSKIP

Maritime Telecommunications Network (MTN), a subsidiary of Virginia-based American Tower's ATC Teleports, Inc., announced today that it will provide a new service developed and patented by BT A&M, the satellite communications division of British Telecom.

The new service, known as "Cruise Connect" will enable anyone aboard a cruise ship to make and receive calls from their wireless phones while at sea.

According to MTN, the new service has solved the problem of passenger vessels cruising beyond the reach of cellular signals. Passengers and staff aboard ship can make and receive calls on their cell phones in exactly the same way as they would on land. The service works through discrete "mini" cellular stations that are installed on the vessels themselves. These stations are linked, via the MTN satellite communications network, to a mobile switching center within the land-based cellular network.

AMATEUR RADIO SPECTRUM BILL INTRODUCED IN SENATE
From 4/2000 cyberSKIP

The Amateur Radio Spectrum Protection Act bill now has supporting legislation in the US Senate. Idaho Sen. Michael Crapo has introduced a bill that mirrors the house bill, HR 783. The Senate measure has been designated S 2183.

"In introducing this bill, we want to do something for Amateur Radio in return for all the good it has done the people of Idaho and elsewhere in the US by providing a reliable means of backup communication in times of emergency," said Crapo, who pledged to work hard to push this bill in the Senate. Like the House version, the Senate bill, if enacted, would require the FCC to provide equivalent replacement spectrum should it ever be necessary to reallocate Amateur Radio frequencies for some other purpose. The new Senate legislation was introduced with bipartisan co-sponsorship.

So far, the House version of the spectrum bill has drawn bipartisan support, with 140 cosponsors to date, and has met with no opposition. However, Congress, and the all-important House and Senate Commerce committees, have been preoccupied with non-telecommunications matters and the Amateur Spectrum Protection Act has not yet moved out of committee. The new Senate bill provides additional motivation for the Congress to consider the legislation.

FIELD DAY 2000
PREPARATIONS UNDER WAY
from 4/2000 cyberSHP

The official Field Day 2000 information packet now is available online in PDF format at the ARRL Contest Branch Web site, http://www.arrl.org/ contests/ announcements/fd/fdpack.pdf. You can downlaod this packet, which includes the official rules and forms for FD 2000. To order the packet, send an SASE with three units of first-class postage affixed to: Field Day Package, ARRL, 225 Main St., Newington, CT 06111.

A new bonus point category has been added for Field Day 2000. Groups can earn 100 bonus points by setting up a demonstration of a "nontraditional" amateur mode, including APRS, ATV or SSTV. The bonus does not include modes for which regular QSO credit already may be earned (such as AM or FM on phone or packet, PACTOR, AMTOR or PSK-31 on digital). QSOs made via the demo station do not count toward the Field Day score, and the transmitter does not count toward the transmitter total. There are no rule changes regarding the special Novice/Tech Plus station.

The Field Day participation pins also are back this year. To earn a pin, all you need to do is participate in Field Day - no minimum number of

contacts to achieve or ARRL sections to work. The pin is for anyone active in helping to make Field Day happen, from the set-up crew and on-the-air operators to the covered dish organizers and generator crew.

Field Day 2000 pins are available now for $5 each. Send orders with payment to Field Day Pin Order, ARRL, 225 Main St., Newington, CT 06111. Early orders are recommended, since the 1999 pins sold out rapidly. Clubs and groups are encouraged to purchase their pins together.

For more information on Field Day 2000, contact Dan Henderson, ARRL Contest Branch Manager, nlnd@arrl.org or 860-594-0232.

CARE FOR RECHARGEABLE NIMH BATTERY PACKS

1. Due to the variety of charging devices available on the market, and their inherently different charging characteristics, we have built a special thermal protective device into the battery pack. This will help to prevent the battery from being overcharged and overheating. We advise allowing the battery pack to rest for 5 minutes after charging prior to use. This will permit the thermal device to reset if needed.
2. Slow charging (12-24 hours) will typically result in more potential charge cycles than fast-charging. To this effect, we recommend that when the battery requires recharging, it should be slow-charged whenever convenient or possible.
3. A new battery pack is made with factory-fresh NiMH cells, which will require 6 or 7 charge/discharge (usage) cycles before they exhibit their stated capacities. Slow-charging the battery for these 6 or 7 cycles is recommended.
4. Do not leave this NiMH battery pack in any quick charger for more than 24 ours, or attached to any slow charger for more than 48 house. This will help to prevent overcharging and/or overheating, and help prolong the life of the battery.

REAL HAMS

From "IT SEEMS TO US..." May 2000 QST

>We all know how one becomes an Amateur Radio licensee. You study, you pass a test, and you get a piece of paper from the FCC. Do that, and you're a ham.

>Being a "real ham" is different. It isn't just about being licensed. It's more than that. It's how you feel about radio, and how you act on those feelings. Getting the license is not the end of the road. For a real ham, it's just the beginning of the adventure. Being a real ham means having a love for radio and for what can be accomplished with radio to benefit others. It means being able to appreciate the magic of a crystal set and the wonder of cutting-edge technology, equally and at the same time. It means working with others who share your love of radio to perform a service or to achieve a goal.

>If they didn't feel that way about radio, why would anyone bother to get an amateur license today? In the not-too-distant past some people became licensed simply to use Amateur Radio as a personl communications service. It's easy to forget that cellular phones are a relatively recent phenomenon, and that at one time repeater auto-patches provided service that was both cheaper and better than what was commercially available. It wasn't too many years ago that "CQ with phone patch traffic" was often heard on the HF bands because international telephone calls were expensive and difficult to arrange. Now, that has pretty much gone by the boards except from extremely isolated locations or during emergencies. Pre-restructuring statistics may have shown a decline in licensing activity, but how much of the decline can be attributed to people having access to better and more appropriate personal communications services and no longer having a

need to use Amateur Radio in this way? Perhaps the number of real hams entering our ranks hasn't declined at all. Anyone working an amateur license today is potentially a real ham, or is at least deserving of the benefit of the doubt.

>Sometimes, to be a real ham a license isn't even necessary. Isn't someone who lovingly restores a vintage receiver a real ham, licensed or not? Shouldn't we claim as one of our own anyone who would get up at sunrise just to hear tropical broadcasting signals pop through for a few minutes from halfway around the world? We're interested in obtaining a low-frequency allocation for amateur experimentation, but shouldn't we value and honor the work that is already being done, unlicensed, within Part 15 of the FCC Rules? If a volunteer provides valuable radiocommunication in an emergency, does it really matter what frequency the radio happens to operate on or in what service it happens to be licensed? In short, it isn't the license that makes you a real ham, it's what you do with it.

>And there's so much to do! Most of us are able only to explore a small sample of the worlds that are open to an amateur licensee. The fortunate among us have experienced guides - Elmers - who are willing to take the time to help us begin our explorations. Perhaps the Elmers themselves are even more fortunate, for they have discovered the joy that comes from sharing their passion with others.

>Heading the list of things we can - and should - do are emergency and public service communications. Regular participation may not be for everyone, but every ham should know the basics and should be able to get on the air when normal communications are disrupted. Isn't this the least we can offer in exchange for the array of privileges we enjoy?

>Beyond that there is such a range of opportunities to explore, it isn't possible to list them all. There are new satellites to try, with the crown jewel of the amateur satellite fleet, Phase 3D, standing by for an early ride into orbit. The solar cycle finally began to live up to its promise this spring, with world-wide openings on 10 meters coming just in time to spice up the quest for contacts with two brand new DXCC entities.

>At the risk of being accused of touting a commercial product, the Elecraft K2 transceiver kit is one of the most positive developments in Amateur Radio in recent years. The K2 responds to our nostalgia for the Heathkit era while offering good performance at a reasonable price along with a sense of personal accomplishment and a community of fellow constructors.

>As you will read in Steve Ford's article this month, PSK31 continues to push HF digital communications in new and exciting directions. New Microwave records are being set, only to be broken. APRS innovators are finding new and intriguing applications for their tool of choice.

>It doesn't take a forest of antennas to explore any of these paths; new radio worlds are in reach of nearly everyone. If you're a real ham, what are you waiting for? *David sumner, K1ZZ*

MUCH REQUESTED RECIPE!
PARAGUAY CORN PIE

2 Onions, chopped
½ Cup cooking oil
2 Tomatoes, peeled, seeded and chopped
1 Can Creamed Corn
1 Pkg. Jiffy Mix Corn Muffin Mix
3 egg yokes
3 egg whites
½ Lb. Soft Cheese, coarsely grated Monterey
½ Cup Ripe pitted Olives sliced (optional)

Saute chopped onions in oil slowly until onion is soft. Add tomatoes and cook 5 minutes. Mix creamed corn and muffin mix. Add to this: egg yolks, fried onion and tomato mixture, olives and then the cheese. Beat egg whites stiff and fold in. Turn into a greased shallow baking dish and bake in a slow 300 degree oven about 1 hour or until firm. Serve immediately. Serves 8

ABELL'S ANECDOTES
By Pike W4EPU

The cliché "Stubborn as a Mule" means a lot more to me than just another 'cool' expression. You see, when I was growing up on the farm in Arkansas one of my jobs was training young mules to the plow. When mules were approximately two years old it was time to harness them up and put them to work. At first only to general cultivation, breaking ground, harrowing, disking, etc. Row crop work came later when they were better trained. It usually took a full season to change a mule from a feisty, energetic colt to a productive work animal.

I will not bore you with all the details, but there are a couple of incidents I feel are worthy of note. At the time they were horrible experiences. Now and then as I look back I find them somewhat amusing.

I was harrowing a freshly plowed field on one end of which was a creek with clear running water. I pulled up to the creek end, turned the team around heading to the other end of the field, tied the lines to the harrow, climbed down into the creek and got a drink of water. While climbing back up the bank, my foot slipped and I grabbed a bush preventing me from falling back into the creek. The ruffling sound of the bush scared the mules. They ran at a full gallop across the field and of course pulling the harrow. For some reason they stopped when reaching the other end. When I got there they had calmed down enough that I continued my job. But first I saw that no harm had come to the mules or the equipment. I simply proceeded to work the rest of the day. The thing I remember most about that incident was that on that strip of land across that field, where they ran and pulled the harrow the dirt was literally pulverized. We planted cotton in that field. On that row the cotton was taller, greener and more productive than the rest.

Another time I was cultivating a row crop with another team of mules. The field was on the other side of the railroad track from the house and barn. I was riding the cultivator on my way home for dinner (lunch?). The wind blew a piece of paper across the road which scared the mules. They broke into a run toward the railroad crossing thence to the barn. I had completely lost control. In fear of what would happen as they crossed the railroad track at that speed, I jumped off and let them go. They only stopped when they reached the barn. My dad saw the whole thing from the house. To say that he was upset with me because I lost control of the mules would be a gross understatement.

The next day as we passed the same point, the mules apparently remembered and they repeated the exact same process. As you may guess, my dad was ecstatic. The following day my dad came to the field just before it was time to break for dinner. He wanted to make sure I didn't let them mules get the best of me again. As we were going down the road, passing that same point, my dad walked in front of us. As the mules attempted to make their break, he turned, grabbed his straw hat and was flapping it at the mules, screaming and yelling. The mules were not the least impressed. As they were about to run him over, he jumped aside and hollered "let the #@X&es go".

We never again worked those mules on the other side of the tracks. And oh yes! My dad never again complained to me about the way I handled mules.

73s es 88s

TREASURERS REPORT

By Becky Lee, KF4HTB

Balance forward from 1999	$4333.03
Deposits Year to Date	1621.19
TOTAL INCOME	**$5954.22**
Expenditures	1090.74
BALANCE AS AT 4/30/00	**$4863.48**

APRIL MINUTES

By Becky, KF4HTB.

After the opening ceremonies Anthony KG4CEB and Stephanie K4MVO talked about the upcoming hurricane "Jody" drill. They asked for check-ins on April 26, 27 and 28. Anthony will be checking on schools and other sites of antennas. Stephanie will be at EOC doing head count, inventory of supplies, etc. A recovery drill will be held in May. Also, at the May meeting assignment sheets will be handed out.

Bud told the club that he had not been contacted in regard to furnishing communications for the Indian River Raft Race on Apr. 29. Unless a call was received, it was decided to work on putting up new antennas on the repeaters on that date.

Ozzie, N4SCY spoke about the Cross Florida Bike Ride on May 7. The starting point is Cocoa Beach and the final destination is Pine Island on the West Coast. They need communications assistance at the starting point.

After the break Ozzie, gave a program on the correct use of your telephone, telling how to dial your local and long distance operators; using 10-10 numbers; star codes; other telephone companies besides Bell South; cable company phone service; using the index page in the yellow pages and what to dial before you dial a number so that your number does not show up on Caller ID There was lively discussion from the audience.

Club Officers

President: Bud Hughes, K4CWG. 267-3450
V.Pres: Ozzie Osband, N4SCY. 407-LIFTOFF
Sec/Treas: Becky Lee, KF4HTB, 267-9375

Elected Board Members

Ken Denman, KD4HNW. 269-5711
John Renninger, KE4ZPA. 267-9431
Grant Hahne, KF4IGK. 269-6484
Sherry Hughes, KU4ZO. 269-0779

Repeater Custodian Board Members

Les Griner, K4SJC (146.91) 267-1565
Warren Murray, W4CEL (146.97) 638-5476
Dave McLean, WB4SIG (444.15) 267-6181
Larry Carr, WB9MFJ (Packet-Rose Node) 268-4114

Club Information

Meetings: Monthly on 4th Tuesday at 1900 hrs. at Jaycee Building

Newsletter Editors: KF4HTB Becky Lee
K4EOS Clyde Lee

Nets: **VIP**-Thursdays at 1000 hrs. 146.910
Friendship-Thursdays at 1830 hrs. 146.910
Mosquito-Wednesdays at 1900 hrs. 28.333
Traders-Fridays at 2000 hrs 146.910

Letter to the Editor

Hi Becky,

I've been playing the harmonica over WMMB almost 4 years. WMMB has acquired a web site, and my harmonica playing goes on the Internet. The web site is www.wmmbam.com.. My time slot is 9:45 AM on Thursday.

I believe our radio club is the only club in Fla. (if not the nation) that has a harmonicist that broadcasts on the Internet. We are unique.

73s, Bill W3SDB

TITUSVILLE AMATEUR RADIO CLUB
P. O. BOX 73
TITUSVILLE FL 32781-0073

MOTHERS ARE SPECIAL!

MEMBERSHIP UPDATE

Total membership: 226 (154 regular, 54 family, 12 honorary, 6 other)

NEW MEMBER: W4GBW CHARLES MOREHOUSE

RENEWALS:00000 ANTHONY SINI
KD4CBV GEORGE BORTLE
KE4BBL CINDY BORTLE
KE4BBM NICHOLAS SARGENTI
KD4JBE HOOT GIBSON
KF4LPB ROBERT HAMMOND
N4MCZ ROD IWAN
N1PAW JOE BONARDI
N1OGE BERTHA BONARDI
KD4TLR STEVE BIDWELL

HAMFESTS

6/3	FT. McCOY
6/21-22	MILTON
8/26	FT. PIERCE
9/2-3	MELBOURNE
9/24	NEW PORT RICHEY
10/14	TAMPA
10/13-14	STARKE
10/14	SUNRISE
10/14-15	W.PALM BEACH
10/28	JACKSONVILL
11/4	SORRENTO